



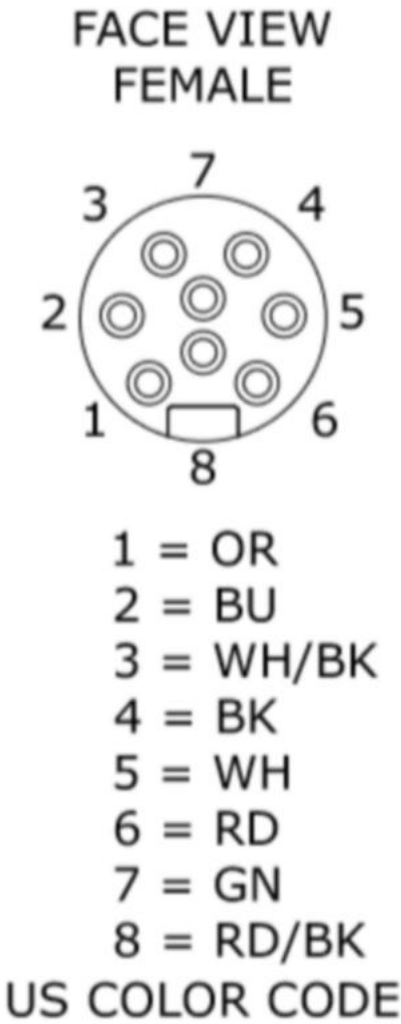
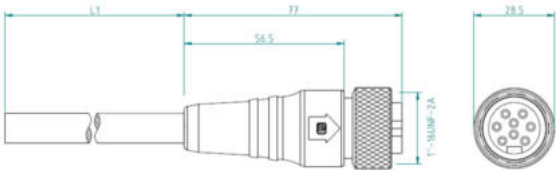
Product: [RK 80M-898](#) 

1" Power Single-Ended Cordset: Female, 8-pin, 600 V, 7 A; TPE yellow cable, 16 AWG

Product Description

1" Power Single-Ended Cordset: Female, straight, 8-pin, yellow body, 600 V, 7 A; TPE yellow cable, 16 AWG, TC-ER Rated, US Color Code

Technical Drawing



Technical Specifications

Technical Data

Product Family:	Power Connector
Product Sub Family:	1"

Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Type of Contact / Gender:	Female
Connector Design:	Straight
Number of Pins:	8
Coding:	A
Shielding:	Unshielded
Attachment Type:	Coupling nut with internal threads
Rated Voltage:	600 V
Ambient Temperature (Operation)*:	-40 °C to +90 °C
Protection Degree / IP Rating**:	IP65, IP67

Materials

Contact Base Material:	CuZn
Contact Plating:	Au over Ag
Contact Bearer Material:	TPU
Contact Bearer Color:	YE
Molded Body Material:	TPU
Molded Body Color:	yellow
Attachment Material:	Anodized Bk, Al

Cable Data

Cable Number:	898
Conductor Size:	16 AWG (65/34)
Number of Wires:	8
Minimal Bending Radius (Flexible Inst):	> 10 x D
Conductor material:	Stranded, BC
Cable Jacket Material:	TPE
Cable Jacket Color:	Yellow
Cable Diameter D:	Ø 10.92 mm
Wire Insulation Material:	PVC-Nylon
Insulated Wire Diameter:	Ø 2.77 mm
Ambient Temperature (Fixed Installation):	-30C TO 90C DRY, 75C WET
UL Cable Type:	NEC TYPE TC-ER (UL1277)
Flammability Class (Cable Jacket):	UL 1685, CSA FT4, IEEE 1202
Cable Characteristics:	Oil and Coolant, Vibration, UV, Abrasion, and Weld Spark resistant, Continuous Flex

Safety & Environmental Compliance

RoHS Compliant:	Yes
-----------------	-----

Notes

Note Derating:	Notice Derating
Protection Degree / IP Rating Note:	Protection Degree and IP Rating per test standard IEC 60529 using a Lumberg Automation mating product

Variants

Item #	Item Description	Cable Length	Replacement for
540000694	RK 80M-898/2M	2 m	RK 80M-698
540000547	RK 80M-898/4M	4 m	RK 80M-698
540001945	RK 80M-898/5M	5 m	RK 80M-698
540000020	RK 80M-898/6M	6 m	RK 80M-698
540001259	RK 80M-898/10M	10 m	RK 80M-698
33444	RK 80M-898/10 M	10 m	RK 80M-698
540003307	RK 80M-898/15M	15 m	RK 80M-698
540002221	RK 80M-898/20M	20 m	RK 80M-698
540002211	RK 80M-898/30M	30 m	RK 80M-698

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.